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## ABSTRACT *of the Disclosure*

A method for analyzing the performance and capacity of an application and a parallel processing system. Based upon a graph representation of the application and system and upon supplied performance values, a data file is created which describes the graph and values. Using  
5 that data file, performance equations are generated which model the performance of the application and the system. The model is displayed and modified by the user to allow analysis, evaluation, and extrapolation.

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